

PINPOINTING UNEXPLAINED POWER OUTAGES TO KEEP THE FACILITY RUNNING EFFICIENTLY

ABOUT CENTRAL MOLONEY COMPONENTS INC. For almost 40 years, Central Moloney Components has led the industry with innovative products to improve the quality and reliability of electrical power equipment. In the mid 1980s, Central Moloney Components was the first company to introduce thermoplastic primary and secondary bushings to the transformer industry. The success of these bushings led to a complete transformation of products utilizing advanced thermoplastic technology. A range of manufacturing processes, including polymer casting, transfer molding, pressure gelation, and thermoplastic injection molding allows for extreme versatility in meeting customer needs. Based in Pine Bluff, Arkansas, Central Moloney has 85 employees.

THE CHALLENGE. Central Moloney had a history of minor unexplained power outages that the company was hoping to pinpoint to keep the facility running efficiently, reliably and safely without costly failures in the future. Already facing the challenges of a competitive market, changing material costs, and producing a high-quality product at a cost effective price, company leaders were concerned that Central Moloney's inadequate power quality would not enable the sensitive machines to continue to operate reliably.

MEP CENTER'S ROLE. Central Moloney worked with Arkansas Manufacturing Solutions (AMS), part of the MEP National Network™, to apply for the Arkansas Economic Development Commission's Technology Transfer Assistance Grant. After successfully obtaining the grant, the company hired Arkansas' largest heavy industrial electrical contractor to install a Fluke power quality monitor for 3-5 days to monitor for power quality, power factor, and other transients. Once complete, the contractor extracted the data from the meter for analysis and made further recommendations based upon the findings. Such solutions included installing capacitors and power quality filters, as well as other corrective measures. Now, Central Moloney's power quality is more consistent and reliable, and the improvements created a safer work environment.

"Working with Manufacturing Solutions to secure funding for our power quality monitor helped us identify where corrective measures should be put in place. This power quality monitor allowed us to make our workplace a safer place while generating cost savings along the way."

-Lee Walker, Training Manager

RESULTS



Power quality now more consistent and reliable



Created a safer work environment



Training investment of \$10,000



Moderate savings

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